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Serial Number: 09/960,291

Filing Date: September 24, 2001
Title: DEVICE AND METHOD FOR INSERTING CARD EDGE SLOTS INTO A PRINTED CIRCUIT BOARD (as amended)

Assignee: Intel Corporation

IN THE CLAIMS

Please amend the claims as follows:

1. (Previously presented) Apparatus, comprising:

a plurality of slot insertion members to hold a plurality of card edge slots having a plurality of pins extending from each of the plurality of card edge slots in alignment for insertion of the plurality of pins into a plurality of holes of a printed circuit board;

at least one grip attachment member connected to the plurality of slot insertion members to rigidly hold the plurality of slot insertion members in a fixed position; and

at least one grip member connected to the at least one grip attachment member to enable the holding and positioning of the slot holder.

- 2. (Previously Presented) The apparatus recited in claim 1, wherein the plurality of slot insertion members are inserted into a card slot having a plurality of electrical contact points contained in the card edge slot connected to the plurality of pins.
- 3. (Previously Presented) The apparatus recited in claim 1, wherein the at least one grip attachment member comprises at least two grip attachment members attached to opposite ends of each of the plurality of slot insertion members.
- 4. (Previously Presented) The apparatus recited in claim 3, wherein the at least one grip member comprises at least two grip members with each grip member of the at least two grip members attached to each of the at least two grip attachment members.
- 5. (Previously Presented) The apparatus recited in claim 4, wherein the at least two grip members are grasped to align the plurality of pins with the plurality of holes and are used to press the pins into the holes without bending any of the plurality of pins or tilting any of the plurality of card edge slots relative to the printed circuit board.

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6. (Previously Presented) The apparatus recited in claim 5, wherein each slot insertion member of the plurality slot insertion members holds each card edge slot in position while the printed circuit board is passed over a wave solder machine to solder the plurality of pins to the printed

circuit board.

7. (Previously Presented) The apparatus recited in claim 6, wherein each slot insertion member of the plurality slot insertion members further comprises at least one insertion point inserted into

a card slot having a plurality of electrical contact points contained in the card edge slot connected

to the plurality of pins, wherein said at least one insertion point is the only portion of each slot

insertion member that extends into the card slot.

8. (Previously Presented) The apparatus recited in claim 7, wherein said at least one insertion

point comprises at least two insertion points located at an opposite end of each of the plurality of

grip insertion members.

9. (Previously Presented) The apparatus recited in claim 7, wherein said at least one insertion

point comprises at a plurality of insertion points located distributed along each of the plurality of

grip insertion members.

10. (Previously Presented) The apparatus recited in claim 2, wherein said at least one grip

attachment member limits the depth each slot insertion may be placed into the card slot.

11. - 19. (Canceled)

20. (Currently Amended) A slot holder Apparatus, comprising:

a plurality of slot insertion members to hold a plurality of card edge slots having a

plurality of pins extending from each of the plurality of card edge slots in alignment for insertion

of the plurality of pins into a plurality of holes of a printed circuit board, wherein the plurality of

slot insertion members are inserted into a card slot having a plurality of electrical contact points

contained in the card edge slot connected to the plurality of pins;

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at least two grip attachment members connected to the plurality of slot insertion members

to rigidly hold the plurality of slot insertion members in a fixed position; and

at least two grip members connected to each grip attachment member to enable the

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holding and positioning of the slot holder.

21. (Currently Amended) The slot-holder The apparatus recited in claim 20, wherein the at least

two grip members are grasped to align the plurality of pins with the plurality of holes and are

used to press the pins into the holes without bending any of the plurality of pins or tilting any of

the plurality of card edge slots relative to the printed circuit board.

22. (Currently Amended) The slot holder The apparatus recited in claim 21, wherein each slot

insertion member of the plurality slot insertion members holds each card edge slot in position

while the printed circuit board is passed over a wave solder machine to solder the plurality of

pins to the printed circuit board.

23. (Currently Amended) The slot holder The apparatus recited in claim 22, wherein each slot

insertion member of the plurality slot insertion members further comprises at least one insertion

point inserted into a card slot having a plurality of electrical contact points contained in the card

edge slot connected to the plurality of pins, wherein said at least one insertion point is the only

portion of each slot insertion member that extends into the card slot.